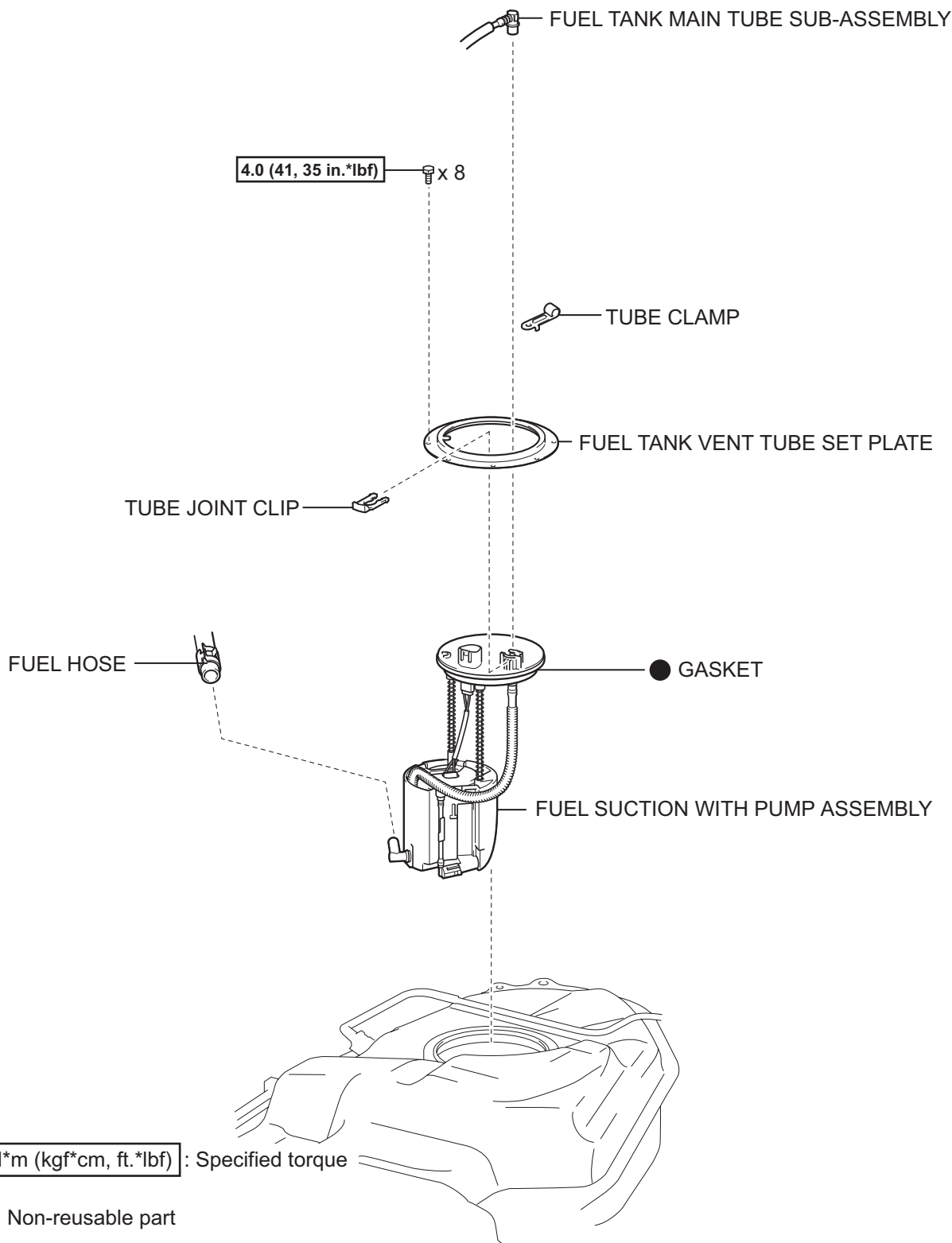
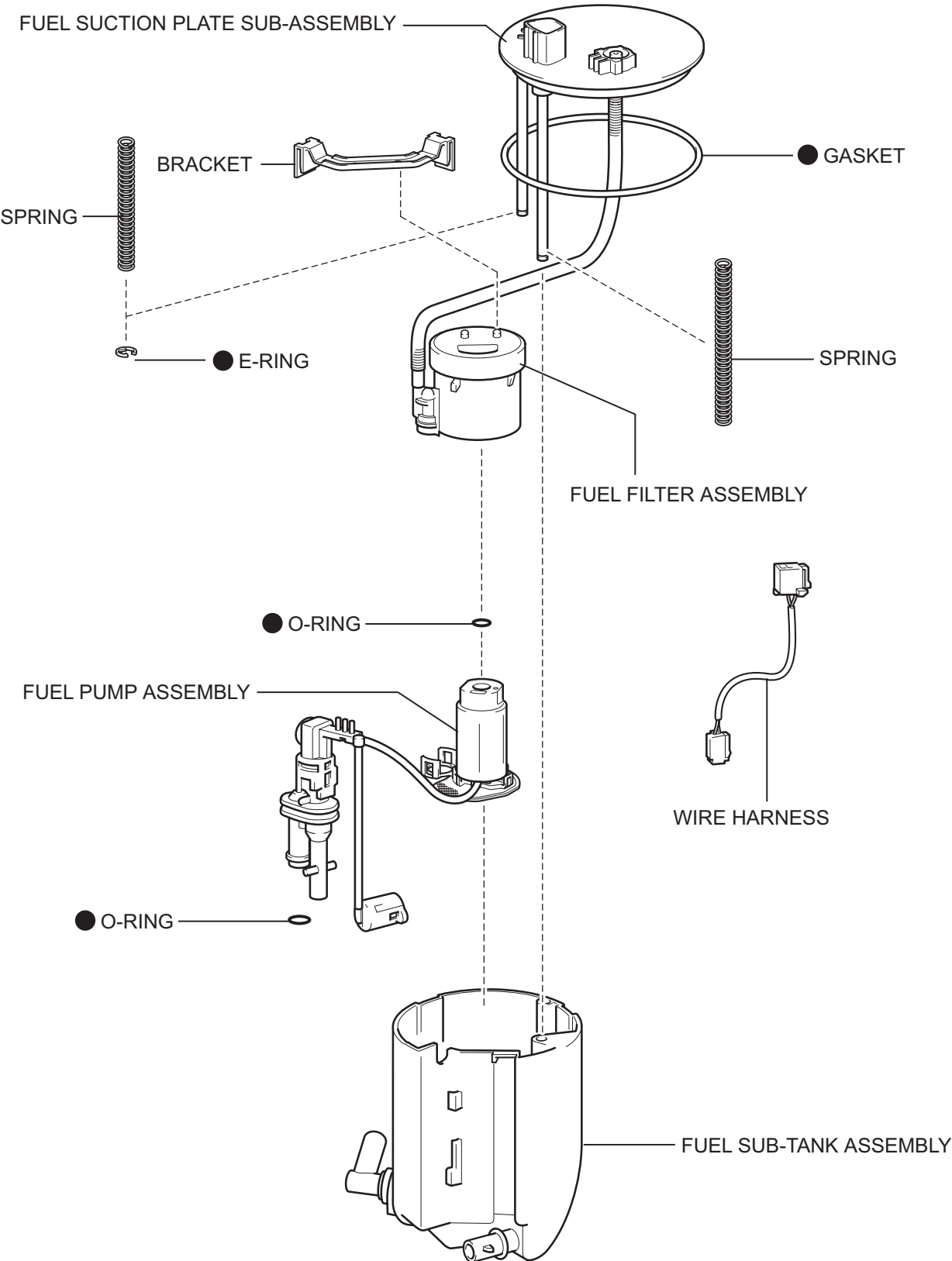


# FUEL PUMP

## COMPONENTS



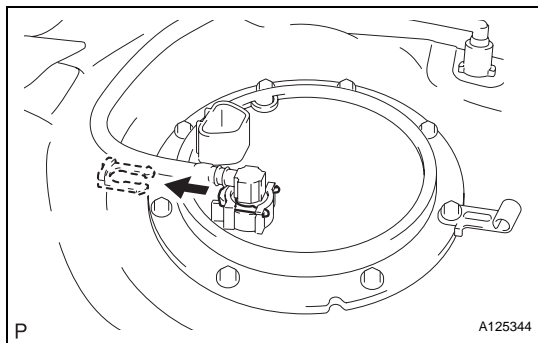


FU

## REMOVAL

### 1. REMOVE FUEL TANK ASSEMBLY

- (a) Remove the fuel tank (see page [FU-33](#)).



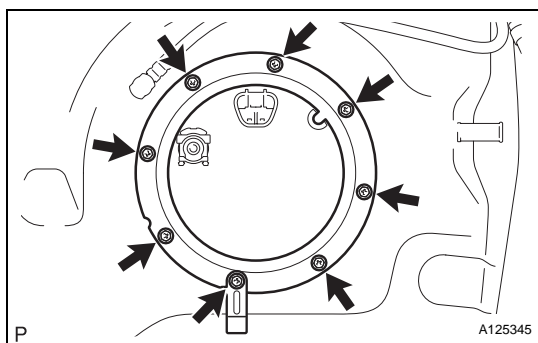
### 2. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Remove the joint clip and fuel tank main tube.

#### CAUTION:

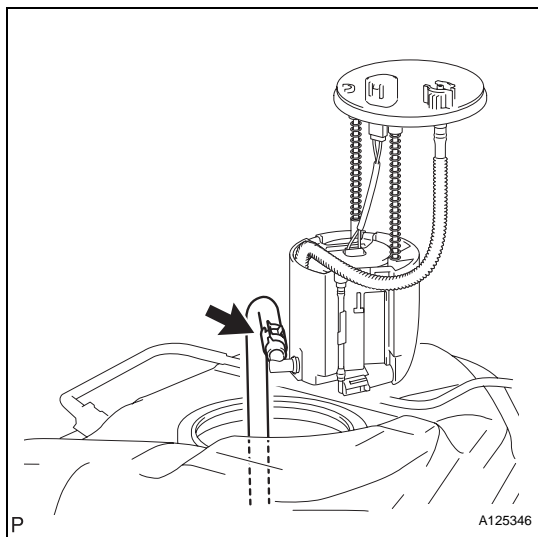
- Before removing the tube joint clip, check for foreign matter around the clip. Clean if necessary.
- Keep the O-ring free of foreign matter, as it becomes contaminated easily.
- Do not use any tools in this procedure.
- Do not forcefully bend or twist the tube.
- Put the tube in a plastic bag to prevent damage and contamination.
- If the fuel suction plate and tube are stuck together, pinch the tube and turn it carefully to disconnect it.
- Be careful not to damage the clip. If the clip is damaged, replace it.

FU



### 3. REMOVE FUEL TANK VENT TUBE SET PLATE

- (a) Remove the 8 bolts and set plate.

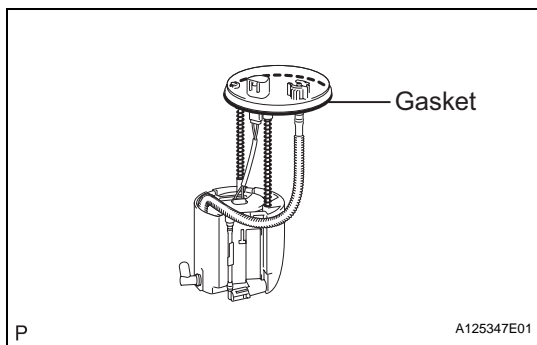


### 4. REMOVE FUEL SUCTION WITH PUMP ASSEMBLY

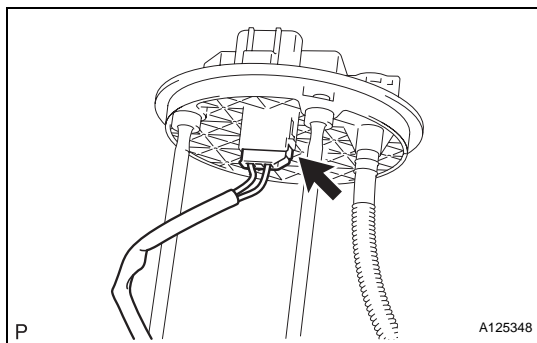
- (a) Disconnect the fuel hose and remove the fuel pump from the fuel tank.

#### NOTICE:

Do not damage the fuel pump.

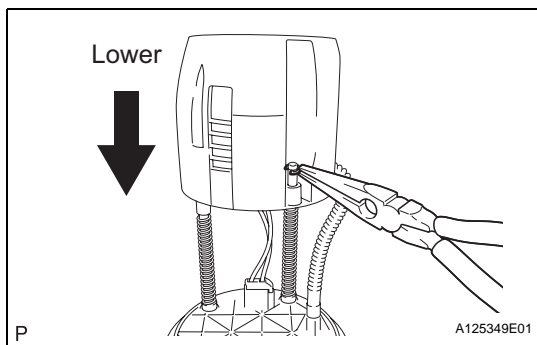


(b) Remove the gasket from the fuel pump.

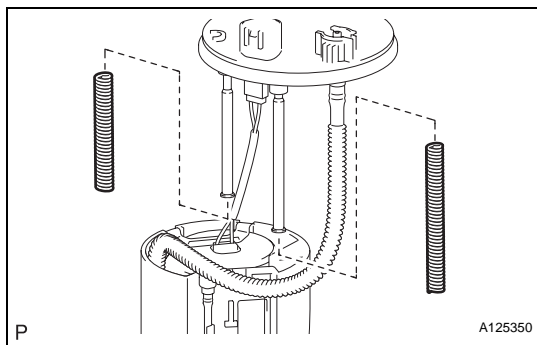


## 5. REMOVE FUEL SUB-TANK ASSEMBLY

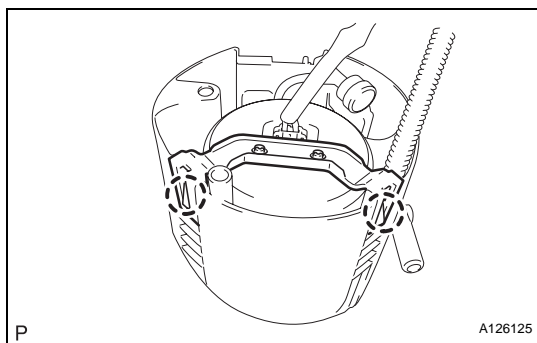
(a) Disconnect the wire harness.



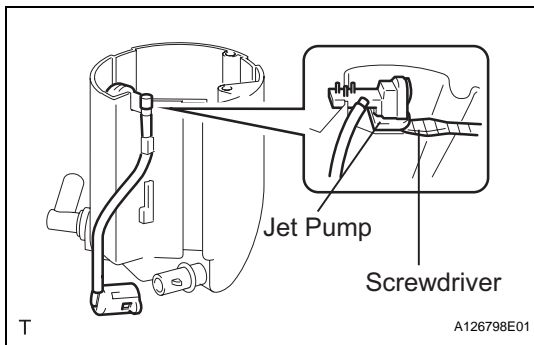
(b) Using needle nose pliers, remove the E-ring.  
HINT:  
Slightly lower the sub-tank to remove the E-ring.



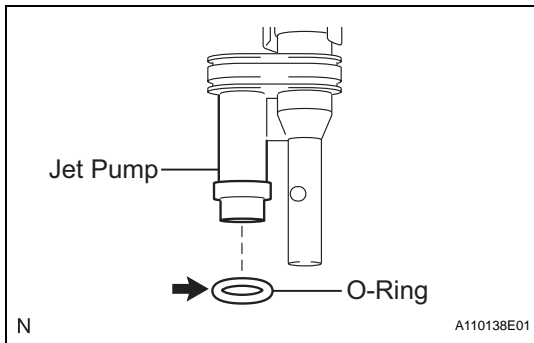
(c) Remove the 2 springs from the 2 shafts.



(d) Detach the 2 claws and remove the sub-tank.

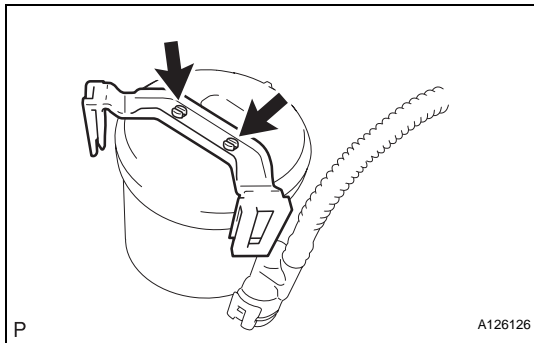


- (e) Detach the claw of the jet pump nozzle and remove the jet pump nozzle.
- (f) Using a screwdriver, remove the jet pump.  
HINT:  
Tape the screwdriver tip before use.



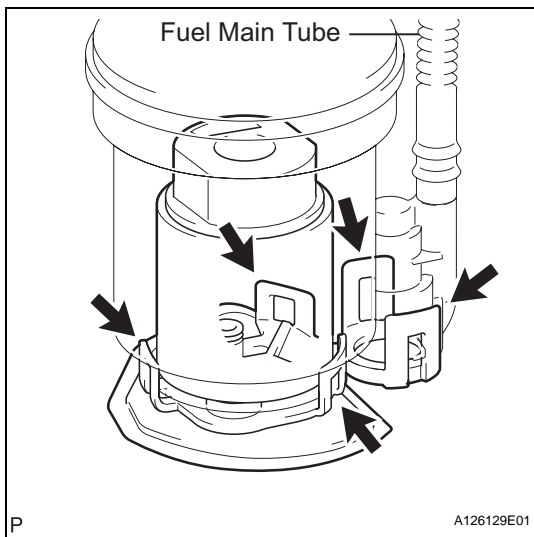
- (g) Remove the O-ring from the jet pump.

FU



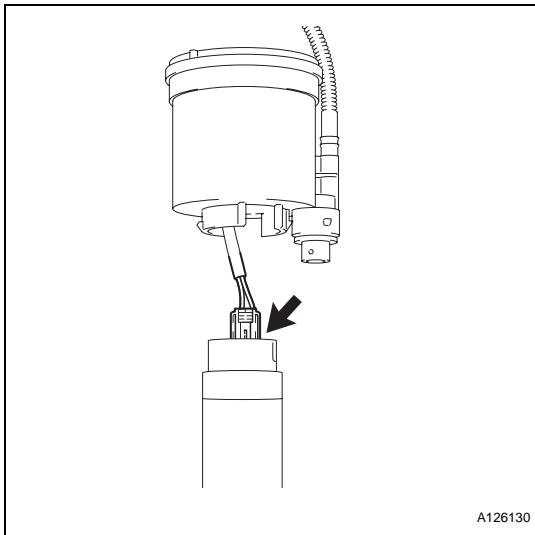
## 6. REMOVE BRACKET

- (a) Using a screwdriver, detach the 2 claws and remove the bracket.  
HINT:  
Tape the screwdriver tip before use.

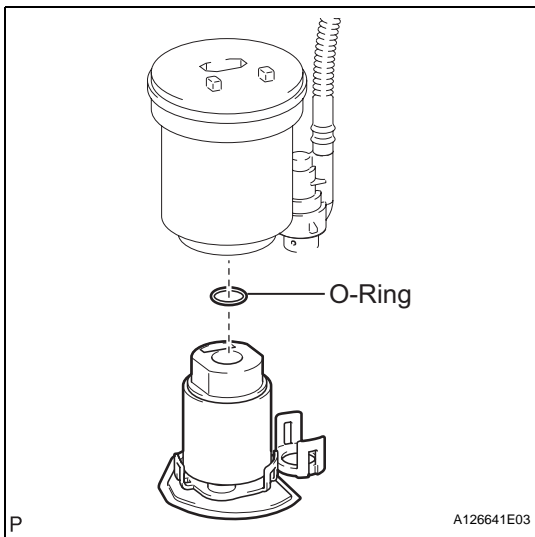


## 7. REMOVE FUEL PUMP ASSEMBLY

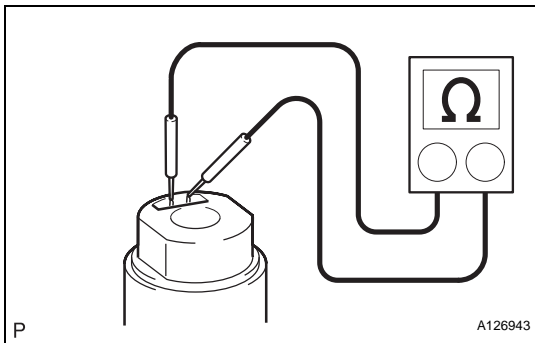
- (a) Detach the 5 claws on the filter and remove the fuel pump from the fuel filter.  
HINT:  
When removing the claw, do not disconnect the fuel main tube.



(b) Disconnect the fuel pump connector.



(c) Remove the O-ring from the fuel filter.



## INSPECTION

### 1. INSPECT FUEL PUMP

(a) Check the fuel pump resistance.

- (1) Measure the resistance between terminals 1 and 2.

**Standard resistance:**

**0.2 to 3.0  $\Omega$  at 20°C (68°F)**

If the result is not as specified, replace the fuel pump.

(b) Check fuel pump operation.

- (1) Apply battery voltage to terminals 1 and 2. Check that the pump operates.

**NOTICE:**

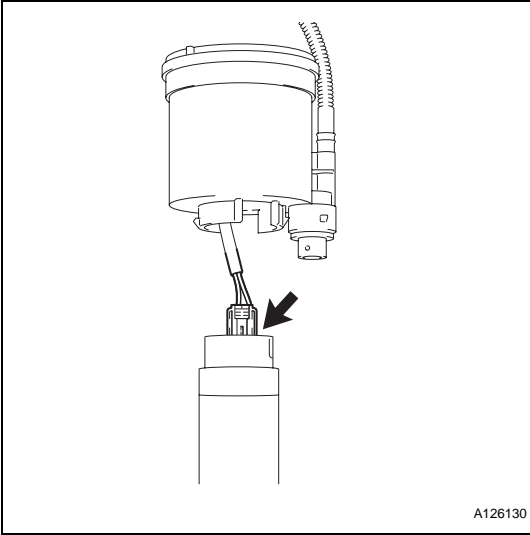
- These tests must be completed within 10 seconds to prevent the coil from burning out.
- Keep the fuel pump as far away from the battery as possible.
- Always turn the voltage on and off on the battery side, not the fuel pump side.

If the pump does not operate, replace the fuel pump.

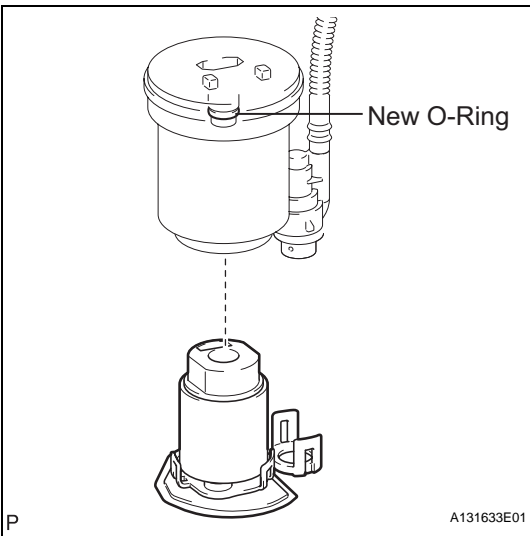
## INSTALLATION

### 1. INSTALL FUEL PUMP ASSEMBLY

- (a) Connect the pump harness connector.

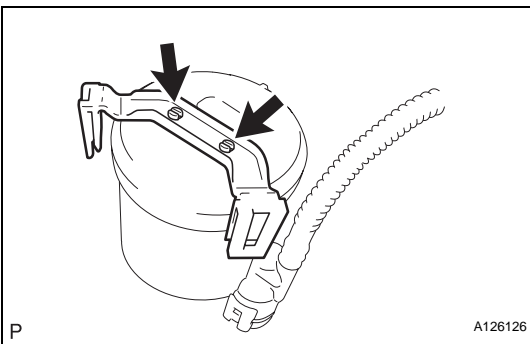


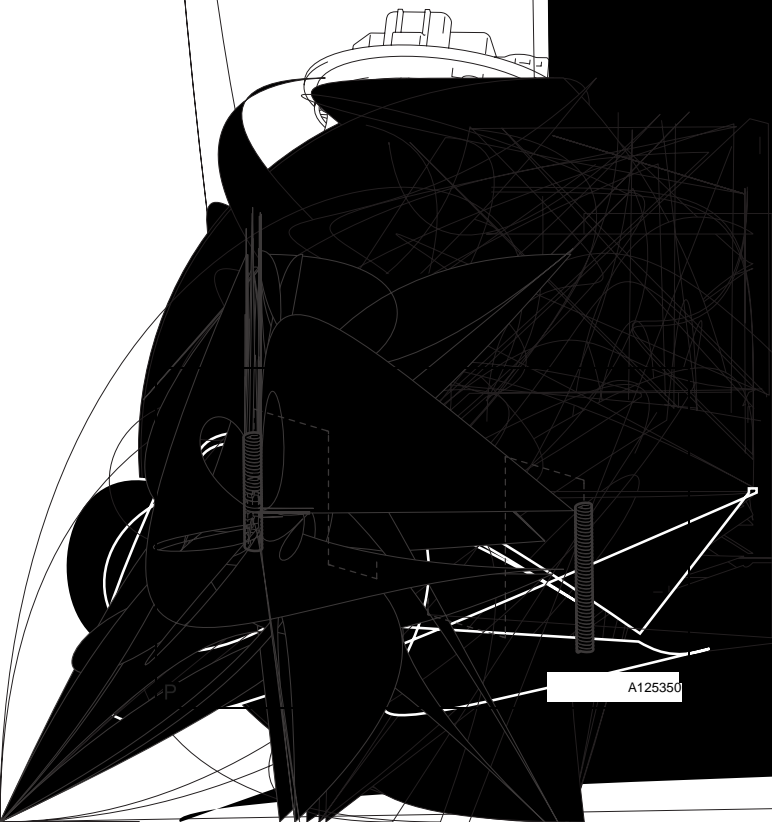
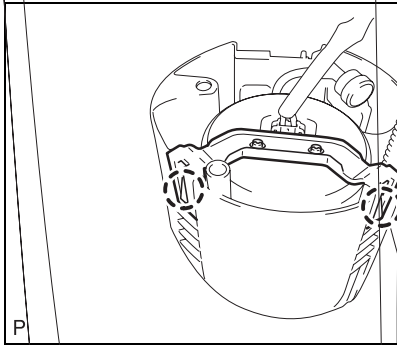
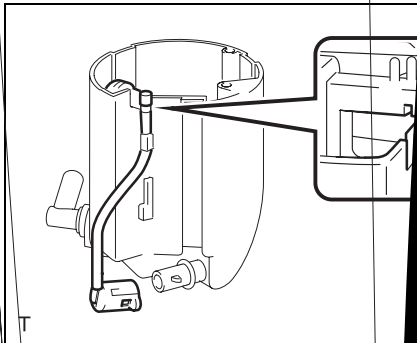
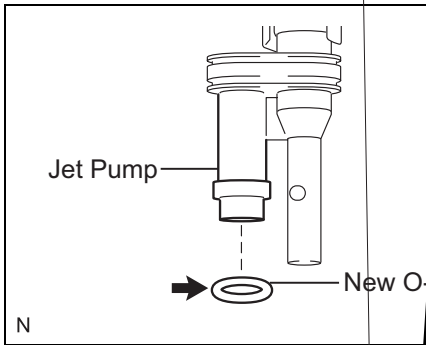
- (b) Apply gasoline to a new O-ring and install the O-ring to the fuel filter.
- (c) Attach the 5 claws to the claw holes and install the fuel pump.



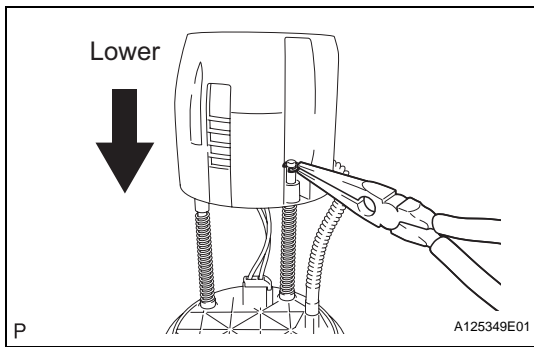
### 2. INSTALL BRACKET

- (a) Attach the 2 claws to the claw holes and install the bracket.

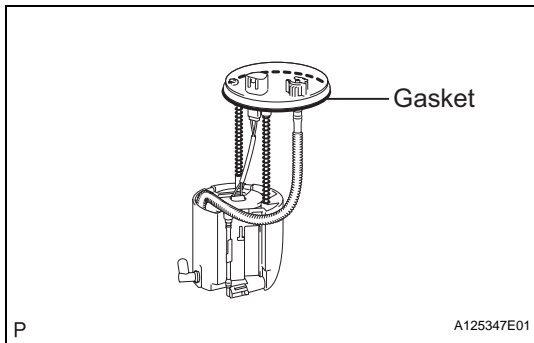






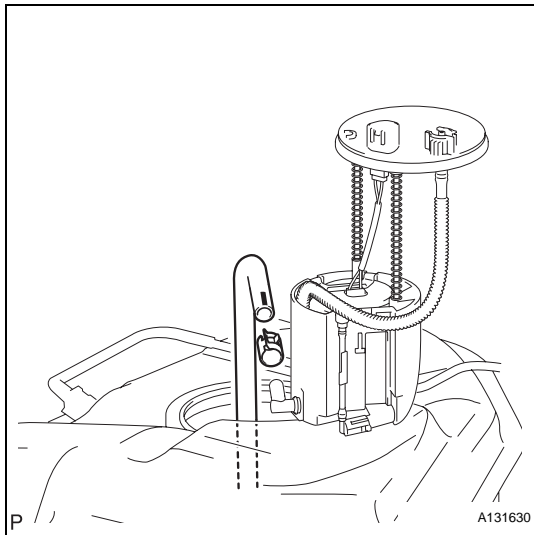


- (g) Using needle-nose pliers, install a new E-ring.  
HINT:  
Slightly lower the sub-tank to install the E-ring.



#### 4. INSTALL FUEL SUCTION WITH PUMP ASSEMBLY

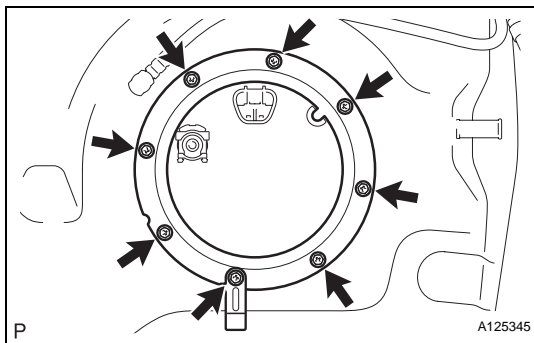
- (a) Install a new gasket onto the fuel pump.



- (b) Connect the fuel hose and install the fuel pump into the fuel tank.

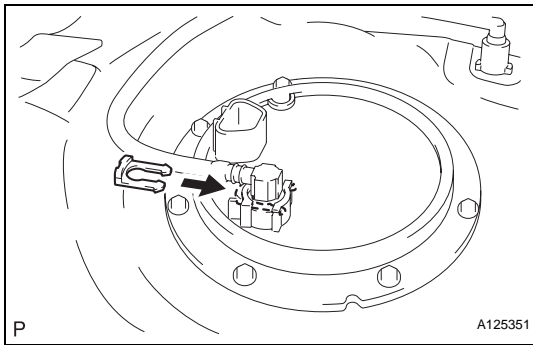
**NOTICE:**

**Do not damage the fuel pump filter.**



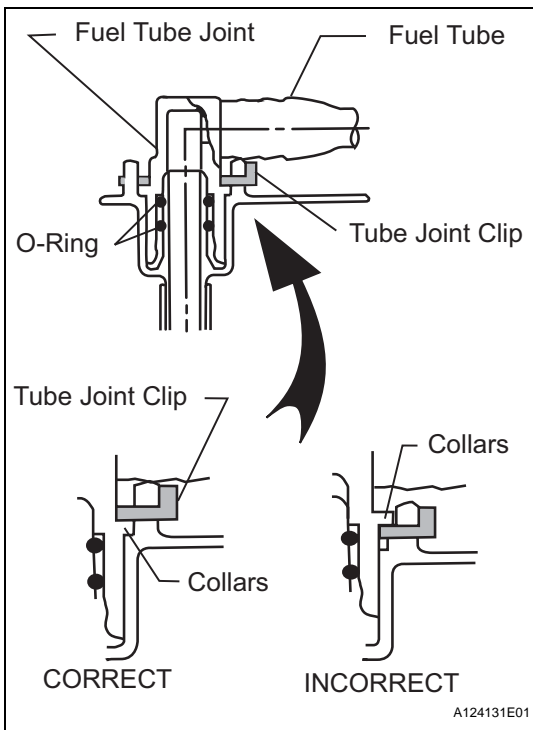
#### 5. INSTALL FUEL TANK VENT TUBE SET PLATE

- (a) Install the set plate with the 8 bolts.  
**Torque: 4.0 N\*m (41 kgf\*cm, 35 in.\*lbf)**



## 6. INSTALL FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Install the fuel tank main tube with the joint clip.



### CAUTION:

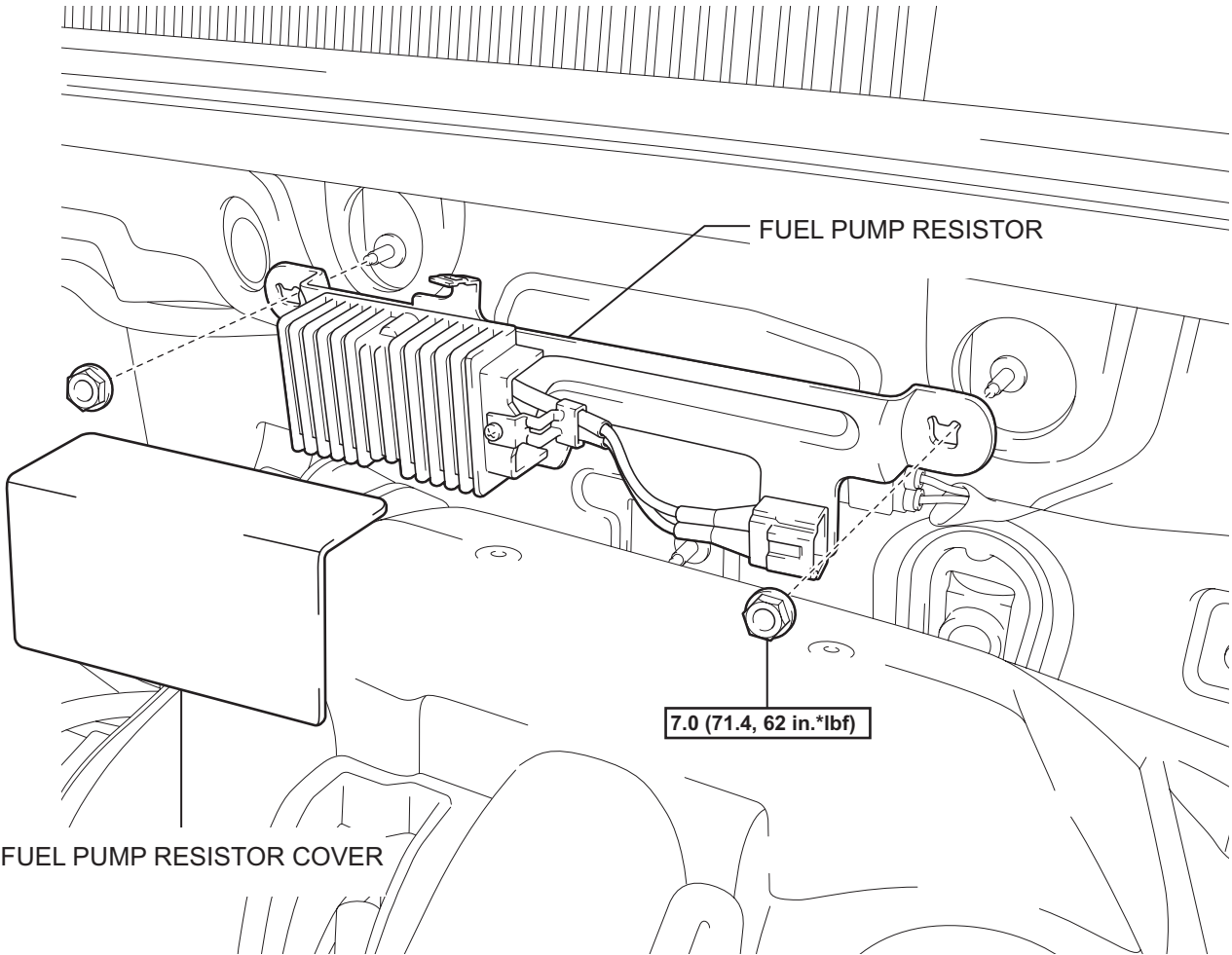
- Check that there are no scratches or foreign objects on the connecting parts.
- Check that the fuel tube joint is inserted securely.
- Check that the fuel tube joint clip is on the collars of the fuel tube joint.
- After installing the tube joint clip, check that the fuel tube joint has not been pulled off.
- Be careful not to damage the clip. If the clip is damaged, replace it.

## 7. INSTALL FUEL TANK ASSEMBLY

- (a) Install the fuel tank (see page [FU-38](#)).

# FUEL PUMP RESISTOR

## COMPONENTS



N\*m (kgf\*cm, ft.\*lbf) : Specified torque

## REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

**CAUTION:**

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

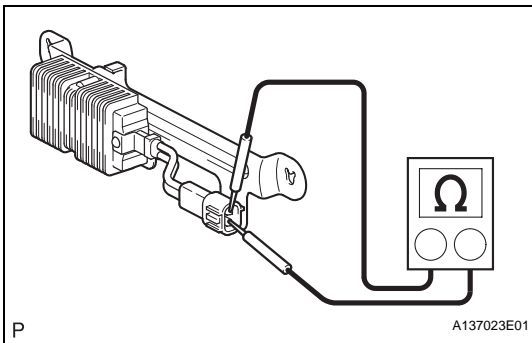
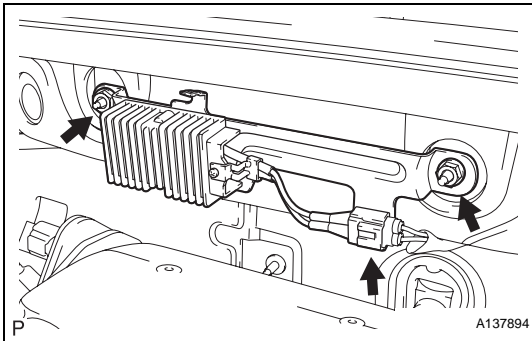
2. **REMOVE FUEL PUMP RESISTOR COVER**

(a) Remove the cover from the resistor.

3. **REMOVE FUEL PUMP RESISTOR**

(a) Disconnect the connector.

(b) Remove the 2 bolts and resistor.



## INSPECTION

1. **INSPECT FUEL PUMP RESISTOR**

(a) Inspect the fuel pump resistor resistance.

(1) Measure the resistance between the terminals.

**Standard resistance:**

**0.53 to 0.57  $\Omega$  at 20°C (68°F)**

**FU**

## INSTALLATION

1. **INSTALL FUEL PUMP RESISTOR**

(a) Install the resistor with the 2 bolts.

**Torque: 7.0 N\*m (71.4 kgf\*cm, 62 in.\*lbf)**

(b) Connect the connector.

2. **INSTALL FUEL PUMP RESISTOR COVER**

(a) Install the cover to the resistor.

3. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

